

<b>USH 41: CTH AAA TO CTH G (BROWN COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	239	0.0	1500	239	0	0.45	0	66.0	47.9	44.5
1-2 AM	182	0.0	1500	182	0	0.44	0	66.1	48.1	44.8
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	48.2	44.8
3-4 AM	204	0.0	1500	204	0	0.44	0	66.0	48.0	44.6
4-5 AM	458	0.0	1500	458	0	0.47	0	65.5	47.1	43.7
5-6 AM	1355	0.0	OFF	1355	0	0.00	0	63.8	63.8	63.8
6-7 AM	2602	0.0	OFF	2602	0	0.00	0	59.9	59.9	59.9
7-8 AM	3280	0.0	OFF	3280	0	0.00	0	52.9	52.9	52.9
8-9 AM	2098	0.0	OFF	2098	0	0.00	0	62.5	62.5	62.5
9-10 AM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0
10-11 AM	1917	0.0	OFF	1917	0	0.00	0	62.8	62.8	62.8
11AM-NOON	2052	0.0	OFF	2052	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2196	0.0	OFF	2196	0	0.00	0	62.3	62.3	62.3
1-2 PM	2319	0.0	OFF	2319	0	0.00	0	62.0	62.0	62.0
2-3 PM	2478	0.0	OFF	2478	0	0.00	0	61.1	61.1	61.1
3-4 PM	2813	0.0	OFF	2813	0	0.00	0	57.7	57.7	57.7
4-5 PM	3376	0.0	OFF	3376	0	0.00	0	51.9	51.9	51.9
5-6 PM	3115	0.0	OFF	3115	0	0.00	0	54.6	54.6	54.6
6-7 PM	1839	0.0	OFF	1839	0	0.00	0	63.0	63.0	63.0
7-8 PM	1291	0.0	1500	1291	0	0.75	0	64.0	39.5	35.8
8-9 PM	1179	0.0	1500	1179	0	0.61	0	64.2	42.7	39.1
9-10 PM	1036	0.0	1500	1036	0	0.52	0	64.5	45.0	41.5
10-11 PM	869	0.0	1500	869	0	0.51	0	64.8	45.6	42.2
11PM-MID	530	0.0	1500	530	0	0.47	0	65.4	46.8	43.4

**"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)**

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

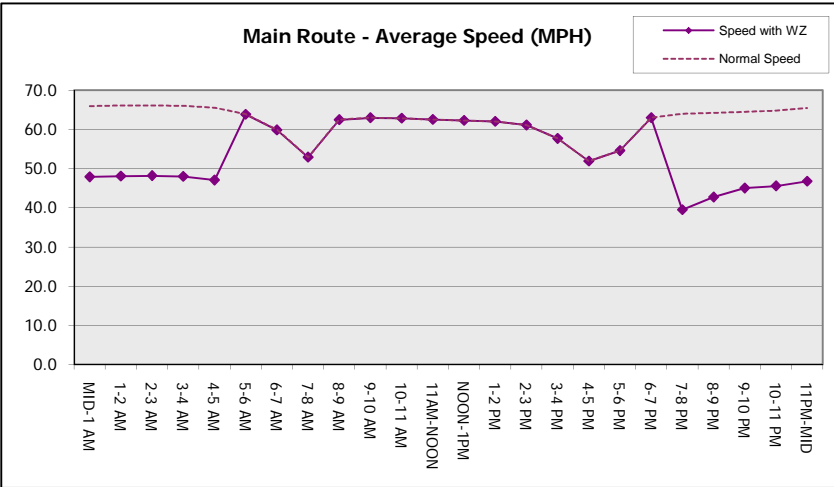
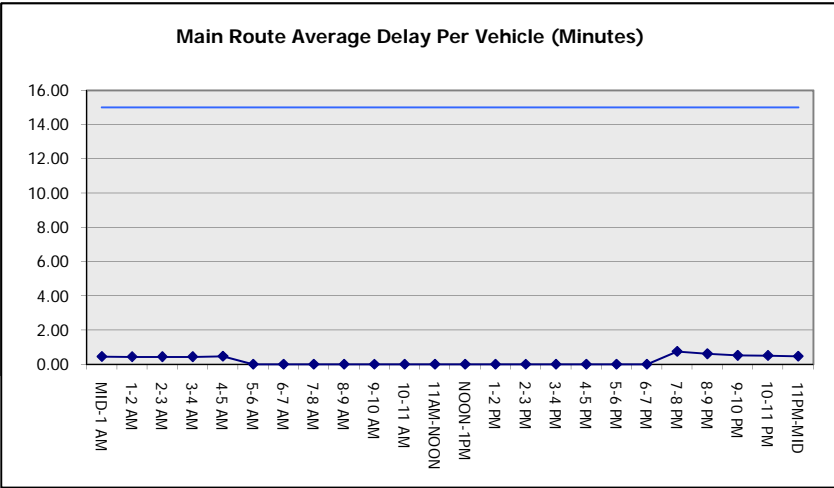
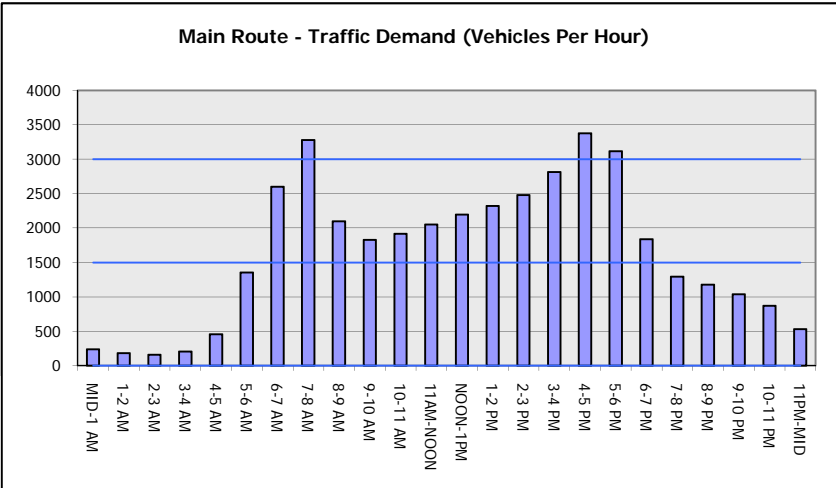
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0081
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$735
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	228	0.0	1500	228	0	0.44	0	66.0	47.9	44.6
1-2 AM	142	0.0	1500	142	0	0.44	0	66.1	48.3	44.9
2-3 AM	162	0.0	1500	162	0	0.44	0	66.1	48.2	44.8
3-4 AM	163	0.0	1500	163	0	0.44	0	66.1	48.2	44.8
4-5 AM	307	0.0	1500	307	0	0.45	0	65.8	47.6	44.3
5-6 AM	865	0.0	OFF	865	0	0.00	0	64.8	64.8	64.8
6-7 AM	2078	0.0	OFF	2078	0	0.00	0	62.5	62.5	62.5
7-8 AM	3292	0.0	OFF	3292	0	0.00	0	52.8	52.8	52.8
8-9 AM	2397	0.0	OFF	2397	0	0.00	0	61.9	61.9	61.9
9-10 AM	2018	0.0	OFF	2018	0	0.00	0	62.6	62.6	62.6
10-11 AM	1969	0.0	OFF	1969	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2108	0.0	OFF	2108	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2176	0.0	OFF	2176	0	0.00	0	62.3	62.3	62.3
1-2 PM	2191	0.0	OFF	2191	0	0.00	0	62.3	62.3	62.3
2-3 PM	2472	0.0	OFF	2472	0	0.00	0	61.2	61.2	61.2
3-4 PM	3021	0.0	OFF	3021	0	0.00	0	55.6	55.6	55.6
4-5 PM	3660	0.0	OFF	3660	0	0.00	0	49.0	49.0	49.0
5-6 PM	3346	0.0	OFF	3346	0	0.00	0	52.2	52.2	52.2
6-7 PM	2031	0.0	OFF	2031	0	0.00	0	62.6	62.6	62.6
7-8 PM	1304	0.0	1500	1304	0	0.77	0	64.0	39.2	35.4
8-9 PM	1106	0.0	1500	1106	0	0.53	0	64.3	44.8	41.3
9-10 PM	892	0.0	1500	892	0	0.51	0	64.7	45.5	42.0
10-11 PM	693	0.0	1500	693	0	0.49	0	65.1	46.2	42.8
11PM-MID	409	0.0	1500	409	0	0.46	0	65.6	47.3	43.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0081
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$637
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

